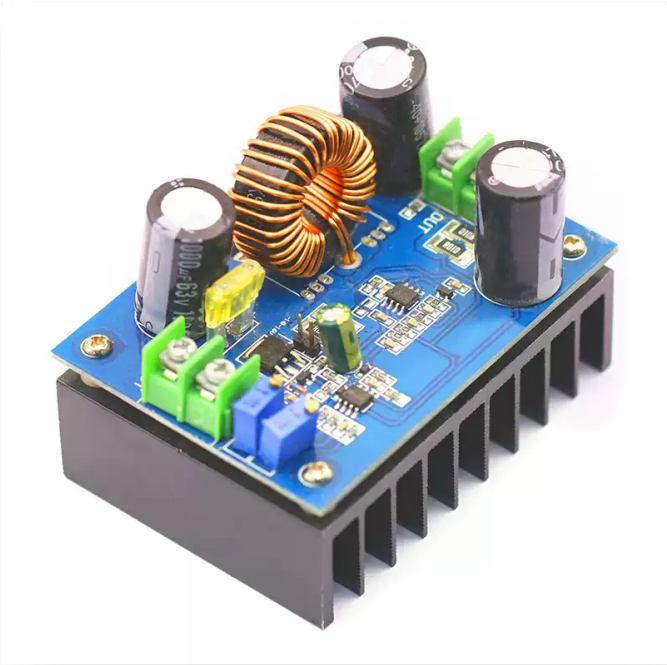
600 W CC/CV Adjustable Boost Converter

High-power DC-DC step-up module for vehicle and solar charging systems



Product Overview

A compact power-electronics module documented from the supplied archived product page. The specifications below separate confirmed ratings from operating guidance and identify the exact module variant where the source page contains multiple options.

Electrical and Mechanical Specifications

Parameter	Value
Conversion type	Non-isolated DC-DC boost converter
Output-voltage class	Adjustable up to 80 VDC, subject to input and load conditions
Maximum power class	600 W peak with adequate input source and forced cooling
Control modes	Constant voltage and constant current
Cooling	Large integrated heatsink
Connections	Screw terminals for input and output

Key Features

- High-power boost conversion
- Independent CV and CC adjustment
- Large heatsink for thermal control
- Suitable for vehicle and solar sources

Operating Notes

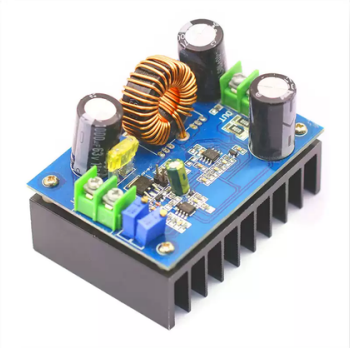
- This is a boost converter; the configured output must exceed the input voltage.
- The 600 W rating requires suitable input current, wiring and forced-air cooling.
- Set voltage and current limits before attaching a battery or load.

Application and Connection Guide

APPLICATION & CONNECTION

DC / SOLAR INPUT

Lower DC voltage



BATTERY / LOAD

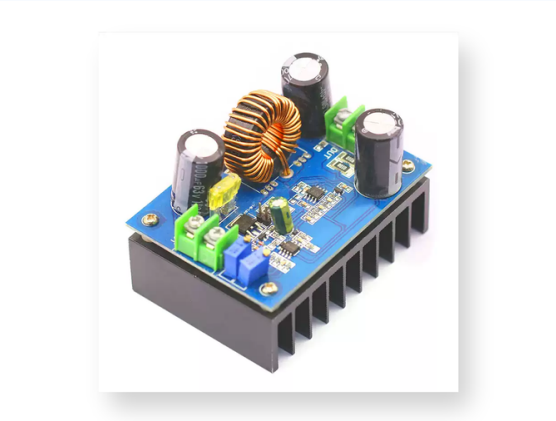
Adjustable boosted output

Verify polarity and configure voltage/current before connecting the load.

Connection Sequence

1. Confirm the input source is within the stated range. 2. Verify input and output polarity. 3. Configure voltage and current limits with the load disconnected. 4. Connect the load or battery. 5. Monitor temperature during initial operation.

KEY PRODUCT ADVANTAGES



1. **High-power boost conversion**
2. **Independent CV and CC adjustment**
3. **Large heatsink for thermal control**
4. **Suitable for vehicle and solar sources**